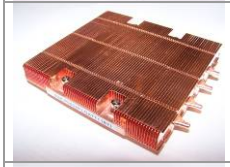
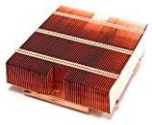
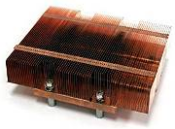
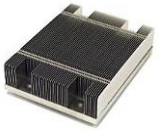
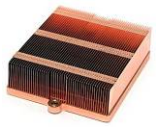
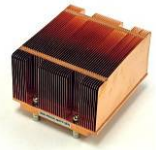
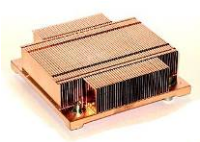
SUPERMICRO
A Server Solutions Manufacturer

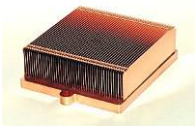
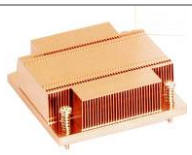
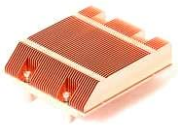
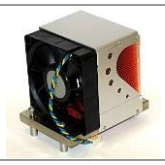
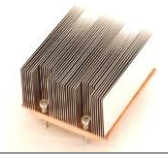
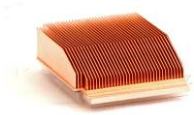
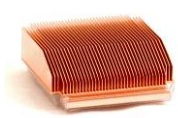
April 2008

Thermal Components Matrix

CPU Heatsink

	Part Number	App	Socket Type	CPU Support	Dimension (mm)	Mounting Method	Fan Speed	Noise
	SNK-P0035AP4	4U	LGA775 / 1366	Xeon 3000 Series Core 2 Pentium D Pentium 4	106 x 126 x 100	Screw and Back Plate	2050 RPM	19.5 dBA
	SNK-P0034AP4	4U	LGA771	Xeon 5000 Series	89 x 139 x 80	Screw	2800 RPM	24 dBA
	SNK-P0032P	Blade	LGA771	Xeon 5000 Series	99 x 117 x 16	Screw	N/A	N/A
	SNK-P0032A4	1U	LGA775	Xeon 3000 Series Core 2 Pentium D Pentium 4	101 x 103 x 28	Screw and Back Plate	5000 RPM	49.8 dBA
	SNK-P0031P	Blade	Socket F (1207)	Opteron 2000 and 8000 Series	100 x 90 x 26	Screw and Back Plate	N/A	N/A
	SNK-P0030P	Blade	LGA771	Xeon 5000 series	89 x 117 x 27	Screw	N/A	N/A
	SNK-P0029P	2U+	mPGA604	Xeon 7000 series	94 x 67 x 66	Screw	N/A	N/A
	SNK-P0028P	1U	mPGA604	Xeon 7000 series	94 x 67 x 25.6	Screw	N/A	N/A
	SNK-P0027AP4	3U+	Socket AM2	Opteron 1000 Series	107 x 78 x 103	Screw and Back Plate	5100 RPM	42.8 dBA
	SNK-P0026	1U	Socket AM2	Opteron 1000 Series	112 x 86 x 27	Screw and Back Plate	N/A	N/A

	SNK-P0025P	2U+	LGA771	Xeon 5000 series	89 x 79 x 50	Screw	N/A	N/A
	SNK-P0024AP4	3U+	Socket 940 Socket F (1270)	Opteron 2000 and 8000 Series	105 x 78 x 103	Screw and Back Plate	5100 RPM	42.8 dBA
	SNK-P0023P+	2U+	Socket F (1207)	Opteron 8000 Series	98 x 74 x 62	Screw and Back Plate	N/A	N/A
	SNK-P0023P	2U+	Socket 940 Socket F (1207)	Opteron 2000 and 8000 Series	98 x 74 x 52	Screw and Back Plate	N/A	N/A
	SNK-P0022+	1U	Socket F (1207)	Opteron 2000 and 8000 Series	98 x 74 x 27	Screw and Back Plate	N/A	N/A
	SNK-P0021A	2U+	FC-PGA6	Xeon LV	54 x 64 x 44	Screw and Pack Plate	4000 RPM	20.5 dBA
	SNK-P0020A4	3U+	LGA771	Xeon 5000 Series	89 x 76 x 82	Screw	5000 RPM	44.3 dBA
	SNK-P0019	1U	FC-PGA6	Xeon LV	50 x 62 x 30	Screw and Back Plate	N/A	N/A
	SNK-P0018	2U+	LGA771	Xeon 5000 Series	89 x 79 x 52	Screw	N/A	N/A
	SNK-P0017	1U	LGA771	Xeon 5000 Series	89 x 79 x 27	Screw	N/A	N/A
	SNK-P0016P	1U	LGA 775	Xeon 3000 series Core 2 Pentium D Pentium 4	95 x 95 x 27	Screw and Back Plate	N/A	N/A
	SNK-P0016	1U	LGA 775	Xeon 3000 series Core 2 Pentium D Pentium 4	95 x 95 x 27	Screw and Back Plate	N/A	N/A

	SNK-P0015A4	2U+	LGA 775	Xeon 3000 series Core 2 Duo Pentium D Pentium 4	90 x 90 x 65	Push-pin	4200 RPM	45.0 dBA
	SNK-P0012	1U	Socket 940	Opteron	98 x 74 x 26	Screw and Back Plate	N/A	N/A
	SNK-P0011	1U	LGA775	Pentium 4 Celeron	89 x 89 x 26	Screw and Back Plate	N/A	N/A
	SNK-P0010	2U+	mPGA604	Xeon	89 x 79 x 52	Screw	N/A	N/A
	SNK-P0009	1U	mPGA604	Xeon	89 x 79 x 26	Screw	N/A	N/A
	SNK-P0008AP4	3U+	mPGA604	Xeon	89 x 70 x 75	Screw	5300 RPM	43.0 dBA
	SNK-P0008AP	3U+	mPGA604	Xeon	89 x 70 x 75	Screw	5300 RPM	43.0 dBA
	SNK-P0008A4	3U+	mPGA604	Xeon	89 x 78 x 82	Screw	5800 RPM	51.0 dBA
	SNK-P0008A	3U+	mPGA604	Xeon	89 x 78 x 82	Screw	5800 RPM	51.0 dBA
	SNK-P0007	2U+	mPGA604	Xeon	89 x 79 x 51	Screw	N/A	N/A
	SNK-P0004	1U	mPGA604	Xeon	89 x 70 x 26	Clip	N/A	N/A
	SNK-P0003	1U	mPGA604	Xeon	89 x 76 x 26	Clip	N/A	N/A

	SNK-P0002	1U	mPGA478	Pentium 4 Celeron	89 x 77 x 30	Screw and Back Plate	N/A	N/A
	SNK-P0001	2U	mPGA700	Itanium	87 x 79 x 49	Screw	N/A	N/A
	SNK-0046	1U	mPGA700	Itanium	87 x 79 x 26	Screw	N/A	N/A
	FAN-0050-CFT	2U+	mPGA604	Xeon	89 x 69 x 77	Clip	7200 RPM	42.0 dBA
	FAN-0042-CU	3U+	mPGA604	Xeon	89 x 66 x 64	Clip	4800 RPM	35.0 dBA

System Fan

Part Number	Application	Dimension (mm)			Rated Current (Amp)	Rated Power (Watt)	Rated Fan Speed (RPM)	Air Flow Rate (CFM)	Static Pressure (in.H20)	Acoustic Noise (dBA)
		L	W	H						
FAN-0105L	SC735	120	120	25	0.08	1.08	1,500	48.1	0.06	17.0
FAN-0104L4	SC743	80	80	25	0.13	1.8	2,800	32.9	0.14	24.0
FAN-0103L4	SC743	80	80	25	0.15	1.8	2,400	40.0	0.12	25.0
FAN-0102L4	SC818, SC825M, SC815	40	40	56	0.70	9.36	12,000 / 8,900	23.0	1.20	56.0
FAN-0101L4	SC809, SC816, SC819, SC808	40	40	56	1.00	12.0	14,400 / 10,700	27.5	1.73	59.0
FAN-0100L4	SC510, SC511	40	40	28	0.12	1.4	8,500	12.0	0.38	34.0
FAN-0099L	SC828	80	80	38	0.75	9.0	6,500	84.3	0.91	53.0
FAN-0099L4	SC828	80	80	38	0.80	9.6	6,500	84.3	0.91	53.0
FAN-0098L	SC532, SC825	80	80	38	0.75	9.0	6,500	84.3	0.91	53.0
FAN-0095L	SC828	80	80	38	1.10	14.5	6,300	90.0	0.85	51.0
FAN-0094L	SC825	80	80	38	1.10	14.5	6,300	90.0	0.85	51.0
FAN-0094L4	SC523, SC823, SC825, SC826, SC835, SC836, SC846, SC936	80	80	38	1.10	15.6	6,300	90.3	0.85	51.0
FAN-0091L	SC743-645 Rev.B	92	92	38	0.58	7.7	4,000	89.6	0.40	43.0
FAN-0091L4	SC743	92	92	38	0.58	7.7	4,000	89.9	0.40	43.0
FAN-0090L	SC748	92	92	38	1.10	15.6	5,000	110.0	0.60	50.0
FAN-0090L4	SC748	92	92	38	1.10	15.6	5,000	109.7	0.60	50.0
FAN-0088L	SC513F	40	40	56	0.80	9.6	12,000 / 11,000	24.0	1.30	56.0
FAN-0088L4	SC513F, SC515, SC823M	40	40	56	0.70	9.4	12,000 / 8,900	23.0	1.20	56.0
FAN-0087L	SC512F, SC811	40	40	56	0.80	9.6	12,000 / 11,000	24.0	1.30	56.0
FAN-0087L4	SC512F, SC811	40	40	56	0.70	9.4	12,000 / 8,900	23.0	1.20	56.0
FAN-0086L	SC815, SC818	40	40	56	0.80	9.6	12,000 / 11,000	24.0	1.30	56.0
FAN-0086L4	SC815, SC818, SC825M	40	40	56	0.80	9.6	12,000 / 11,000	24.0	1.30	56.0
FAN-0085L	SC816	40	40	56	1.00	12.0	13,300 / 11,600	26.4	1.58	58.0
FAN-0085L4	SC816, SC819, SC808, SC809	40	40	56	1.00	12.0	13,300 / 11,600	26.4	1.59	58.0
FAN-0084L	Mobile Rack CSE-M28	80	80	38	0.60	7.2	4,800	67.3	0.56	50.0
FAN-0084L4	Mobile Rack CSE-M28	80	80	38	0.58	7.68	5,000	68.3	0.53	45.0
FAN-0083L	SC813	40	50	38	0.75	9.0	10,200	22.5	0.66	56.0
FAN-0083L4	SC813	40	50	38	0.56	6.72	10,500 / 10,100	23.1	0.70	57.5
FAN-0082L4	SC743, SC745, SC748	80	80	38	0.58	7.68	5,000	68.3	0.53	45.0
FAN-0081L	SC743-650 Rev.B	80	80	38	0.60	7.2	4,800	67.3	0.56	50.0
FAN-0080L	SC932	92	92	32	0.38	5.0	3,500	70.8	0.31	38.0
FAN-0080L4	SC932	92	92	32	0.38	4.56	3,500	70.8	0.31	38.0
FAN-0079L	SC814	40	40	48	0.67	8.0	13,000 / 11,700	21.1	1.22	58.9
FAN-0078L	SC513-420	40	50	38	0.75	9.0	10,200	22.5	0.66	56.0
FAN-0078L4	SC513, SC813M	40	50	38	0.56	6.72	10,500 / 10,100	23.1	0.70	57.5

FAN-0077L	SC733-645	120	120	38	1.30	15.6	4,150	148.0	0.52	53.0
FAN-0077L4	SC733	120	120	38	1.30	15.6	4,150	148.0	0.52	53.0
FAN-0076L	SC733-645	92	92	25	0.55	6.6	4,000	79.0	0.26	45.0
FAN-0076L4	SC733	92	92	25	0.48	5.76	4,000	79.0	0.26	45.0
FAN-0074L	SC743-645	80	80	38	0.58	7.7	5,000	68.1	0.53	45.0
FAN-0074L4	SC743	80	80	38	0.58	7.7	5,000	68.3	0.53	45.0
FAN-0073L	SC743-650	80	80	38	0.60	7.2	4,800	67.3	0.56	50.0
FAN-0072L	SC743-650	80	80	38	0.60	7.2	4,800	67.3	0.56	50.0
FAN-0071L	SC512C-260	97	94	33	1.64	19.7	5,000	31.8	1.87	60.0
FAN-0070L	SC823-HS / i	80	80	38	1.10	14.5	6,300	90.0	0.85	51.0
FAN-0069L	Mobile Rack CSE-M34	92	92	25	0.20	2.4	2,450	40.7	0.11	34.0
FAN-0068L	SC862, SC842	92	92	32	0.58	7.7	4,300	88.5	0.46	44.0
FAN-0067L	SC862	92	92	32	0.58	7.7	4,300	88.5	0.46	44.0
FAN-0066L	SC812	97	94	33	1.05	12.6	4,200	25.8	1.16	56.0
FAN-0065L	SC813HS / Hi-500	40	40	28	0.55	7.3	15,500	21.0	1.37	50.0
FAN-0064L	SC833, SC933	92	92	38	1.10	15.6	5,000	109.7	0.60	50.0
FAN-0064L4	SC833, SC933	92	92	38	1.10	15.6	5,000	109.7	0.60	50.0
FAN-0063L	SC832	92	92	32	0.58	7.7	4,300	88.5	0.46	44.0
FAN-0063L4	SC832	92	92	32	0.55	7.32	4,300	88.5	0.46	44.0
FAN-0062L	SC833, SC933	80	80	32	0.56	7.4	4,600	53.8	0.37	45.0
FAN-0062L4	SC832, SC833, SC835, SC836, SC933, SC936	80	80	32	0.55	7.3	5,000	59.1	0.49	47.0
FAN-0061L	SC813M	40	40	28	0.35	4.9	12,500	16.3	0.85	44.0
FAN-0061L4	SC512, SC811, SC813, SC813M	40	40	28	0.35	4.7	12,500	16.3	0.85	44.0
FAN-0060L	SC733	92	92	25	0.55	6.6	3,750	56.0	0.22	45.0
FAN-0059L	SC813	97	94	33	1.42	17.0	5,000	35.7	2.03	58.0
FAN-0059L4	SC512, SC513, SC811, SC812, SC813	97	94	33	1.42	17.0	5,000	33.6	2.16	59.0
FAN-0057L	Mobile Rack CSE-M35	92	92	32	0.23	3.1	2,850	56.3	0.21	32.0
FAN-0057L4	Mobile Rack CSE-M34 / M35	92	92	32	0.23	3.1	2,850	56.3	0.21	32.0
FAN-0056L	SC742	120	120	38	0.23	2.8	2,400	84.0	0.19	35.0
FAN-0055L	SC733-450	120	120	25	0.75	9.0	3,200	98.3	0.32	50.0
FAN-0054L	SC942	120	120	38	0.38	5.0	2,600	99.0	0.28	39.0
FAN-0053L	SC942	120	120	25	0.40	5.3	3,150	100.1	0.31	44.0
FAN-0051L	SC742i-450	120	120	38	0.21	2.8	1,950	74.3	0.16	32.0
FAN-0051L4	SC742	120	120	38	0.14	1.68	2,000	71.27	0.166	32.5
FAN-0050L	SC733	60	60	25	0.4	5.2	7,200	35.4	0.56	42.0
FAN-0049L	SC842, SC840	92	92	25	0.2	2.4	2,450	40.7	0.11	34.0
FAN-0048L	SC742	120	120	38	0.40	4.8	2,650	97.4	0.225	41.0
FAN-0047L	SC742	120	120	38	0.40	4.8	2,650	97.4	0.225	41.0
FAN-0046L4	SC742	92	92	25	0.25	3.0	3,100	52.4	0.18	32.0
FAN-0044L4	SC822	80	80	25	0.3	3.6	3,750	48.5	0.23	36.0
FAN-0038L	SC512, SC811, SC812L	97	94	33	0.65	7.8	3,800	24.8	0.95	52.0
FAN-0038L4	SC512, SC811, SC812L, SC813	97	94	33	0.69	8.28	3,200	28.33	0.95	53.5
FAN-0037L	SC850	120	120	38	0.55	6.6	2,950	108.7	0.27	42.5
FAN-0036L	SC850	92	92	25	0.16	1.92	2,450	40.7	0.11	34.0

Fan / Air Shroud

Part Number	Chassis	MB	Heatsink	Remark
MCP-310-82801-6N	SC828	AMD Quad	SNK-P0023P+	32 DIMM
MCP-310-81801-0B	SC818	AMD Quad	SNK-P0022	32 DIMM
MCP-310-81202-0B	SC812U	AMD UP	SNK-P0022	UIO
MCP-310-81201-0B	SC812L-280U	Intel UP	SNK-P0016, SNK-P0016P	UIO
MCP-310-74802-0B	SC748	AMD Quad	SNK-P0023P+	32 DIMM
MCP-310-00036-01	SC523	Intel DP	SNK-P0018, SNK-P0025P	
MCP-310-00035-01	SC512L	Intel PD	SNK-P0017	
MCP-310-00034-01	SC815U	AMD DP	SNK-P0022	UIO
MCP-310-00033-01	SC815-R450U	Intel / AMD UP	SNK-P0016, SNK-P0016P, SNK-P0026	UIO
MCP-310-00032-01	SC828	Intel Quad	SNK-P0029P	
MCP-310-00031-01	SC828	AMD Quad	SNK-P0023P	
MCP-310-00030-01	SC825, SC825U	AMD DP	SNK-P0023P	8 DIMM
MCP-310-00029-01	SC813M-520	Intel DP	SNK-P0009, SNK-P0017	8 DIMM
MCP-310-00028-01	SC811-300	AMD UP	SNK-P0026	Socket AM2
MCP-310-00027-01	SC512F-260	AMD UP	SNK-P0026	Socket AM2
MCP-310-00026-01	SC815-560	AMD DP	SNK-P0022	16 DIMM
MCP-310-00025-01	SC825, SC825U	AMD DP	SNK-P0023P	16 DIMM
MCP-310-00022-00	SC825U	Intel DP	SNK-P0018, SNK-P0025P	UIO
MCP-220-00020-00	SC812	AMD UP	SNK-P0026	
MCP-310-00018-01	SC815+	AMD DP	SNK-P0022	8 DIMM
MCP-310-00017-01	SC818	Intel Quad	SNK-P0028P	
MCP-310-00016-01	SC816	Intel DP	SNK-P0017	8 DIMM
MCP-310-00015-01	SC813M-520	Intel DP	SNK-P0009, SNK-P0017	8 DIMM
MCP-310-00014-01	SC819	Intel DP	SNK-P0017	8 DIMM
MCP-310-00013-00	SC825RC	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	8 DIMM
MCP-310-00012-01	SC512F-280	Intel DP	SNK-P0009, SNK-P0017	8 DIMM
MCP-310-00011-00	SC823	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	8 DIMM
MCP-310-00010-01	SC733, SC742	Intel DP	SNK-P0008A, SNK-P0020A4	8 DIMM
MCP-310-00009-01	SC811-520	Intel DP	SNK-P0009, SNK-P0017	8 DIMM
MCP-310-00008-01	SC813, SC812, SC812U	Intel DP	SNK-P0009, SNK-P0017	8 DIMM
MCP-310-00007-01	SC512F-520	Intel DP	SNK-P0009, SNK-P0017	8 DIMM
MCP-310-00005-00	SC825-700LP	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	
MCP-310-00004-00	SC836-800	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	
MCP-310-00002-01	SC815, SC815U	Intel DP	SNK-P0009, SNK-P0017	
MCP-310-00001-01	SC512LF-260	Intel DP	SNK-P0019	X6DLP
CSE-PT0132	SC811LTS-260	Intel DP	SNK-P0019	X6DLP
CSE-PT0128	SC818	AMD Quad	SNK-P0012	16 DIMM
CSE-PT0125	SC748	Intel / AMD Quad	SNK-P0013, SNK-P0023P, SNK-P0029P	
CSE-PT0123	SC743 Rev.B	Intel / AMD DP	SNK-P0010, SNK-P0018, SNK-P0023P, SNK-P0025P	8 DIMM
CSE-PT0118	SC813MF-300C	Intel UP	SNK-P0016, SNK-P0016P	
CSE-PT0113	SC811F	AMD UP	SNK-P0012	
CSE-PT0112	SC512	AMD UP	SNK-P0012	
CSE-PT0110	SC745	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	

CSE-PT0097	SC811-300	Intel UP	SNK-P0016, SNK-P0016P	
CSE-PT0096	SC513F-260	Intel UP	SNK-P0016, SNK-P0016P	
CSE-PT0095	SC512F-260	Intel UP	SNK-P0016, SNK-P0016P	
CSE-PT0083	SC823	AMD DP	SNK-P0013	
CSE-PT0082	SC812	AMD DP	SNK-P0012	
CSE-PT0070	SC813+	AMD DP	SNK-P0012	
CSE-PT0066	SC512L-260	Intel UP	SNK-P0011	
CSE-PT0063	SC513L-420	Intel DP	SNK-P0009, SNK-P0017	
CSE-PT0062	SC513L-260	Intel UP	SNK-P0011	
CSE-PT0061	SC813MS-300C	Intel UP	SNK-P0011	
CSE-PT0056	SC811-260	Intel UP	SNK-P0002	
CSE-PT0054	SC743	Intel / AMD DP	SNK-P0010, SNK-P0013, SNK-P0018, SNK-P0025P	8 DIMM
CSE-PT0047	SC823	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	
CSE-PT0045, Rev.G	SC833, SC933	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	
CSE-PT0044, Rev.G	SC833, SC933	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	
CSE-PT0043, Rev.G	SC823	Intel DP	SNK-P0010, SNK-P0018, SNK-P0025P	8 DIMM